Micronet®
Faster and Easier Networks

Micronet SP3130

CF GPS Receiver

Micronet SP3130, CF GPS receiver, is a total solution of GPS Receiver designed for use with PDA, notebook or any portable PCs. Features with the revolutionary FirstGPS™ architecture which completes tracking capabilities in urban canyon conditions. The FirstGPS™ feature provides fast and accurate position. Positions are updated in real-time with use of your own street mapping/routing software.

Key Features

- Builds on high performance FirstGPS™
- Support 8 parallel satellite tracking channels for fast acquisition and reacquisition
- Satellite signal tracking engine to perform GPS acquisition and tracking functions without CPU intervention
- Foldable compact design for best signal-receiving angle
- Provide both built-in active antenna and external antenna for best signaling
- Automatic cold start, no more initialization required
- Compliant with 50 pins Compact Flash type 1 interface
- Support NMEA-0183 data protocol for output
- Low power-consumption and high sensitivity
- On-board rechargeable Lithium battery sustained real-time clock and memory for fast satellite acquisition during power-up

CF GPS Receiver

SPECIFICATION AND PRODUCT FEATURES

Model		SP3130
General	Satellite Tracking	8
	Receiving Channel	L1(1575.42MHz), C/A Code
	Baud Rate	4800, N, 8, 1
	Update Rate	1 second
	Sensitivity	-173 dBW, minimum
	Message Protocol	NMEA-0183 Output: GGA, GSA, GSV, RMC
Performance	Accuracy	Position: <5 m (50% CEP) or <7 m (95% CEP), SA off Velocity: 0.05 m/sec, SA off
	Acquisition	Cold Start < 120 sec Warm Start < 42 sec Hot Start < 10 sec
	Reacquisition	1 second
	Max. Altitude	16,000 meters
	Max. Velocity	515 meters/second
Physical Characteristics	Interface	Compact Flash Type I
	LED Indicator	Blinking/Red: Position Fixed On/Red: Searching GPS
	Antenna Type	Built-in Active Antenna External MMCX Antenna
	Dimension (mm)	50 x 90 x 23 (W x L x H)
Environmental Characteristics	Power	3.0-3.6VDC Rechargeable Lithium cell battery
	Power Consumption	<35mA at 3.3 Volts, full power
	Temperature	Operation: -10° C - +70° C Storage: -40° C - +85° C

The product specifications are subject to change without prior notice

ORDERING INFORMATION

Model	Description
SP3130	CF GPS Receiver, with External Antenna

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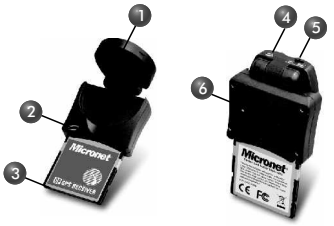

SP3130 CF GPS Receiver

1. Build-in Antenna
2. LED Indicator
3. CF Interface
4. External Antenna Connector
5. Antenna Selector
6. Reset Button

COMPANION PRODUCTS

Consider the following Micronet products as a factor in your network planning.

- 56K Modem
- ADSL and Broadband
- Internet Camera
- ISDN TA / Router
- KVM Switch
- Media Converter
- Mobile Communication
- Network Interface Card
- PCMCIA and Compact Flash
- Powerline
- Print Server
- Switch and Hub/SOHO
- Switch/Enterprise
- USB Device Family
- VDSL
- VoIP Telephony
- Wireless LAN
- Wiring System

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